

**Prof.(FH) Dipl.-Ing. Dr. Stephan Winkler:  
Lists of Publications and Patents**

**List of Publications**

**2010:**

- [73] Stephan Winkler, Michael Affenzeller, Gabriel Kronberger, Stefan Wagner, Witold Jacak, and Herbert Stekel. Feature Selection in the Analysis of Tumor Marker Data Using Evolutionary Algorithms. Accepted to be published in *Proceedings of the 21st European Modeling and Simulation Symposium (EMSS2010)*. Fez, Morocco. October 2010.
- [72] Viktoria Dorfer, Stephan Winkler, Gerald Petz, Andreas Greiner, and Thomas Kern. Optimization of Keyword Grouping in Biomedical Information Retrieval Using Evolutionary Algorithms. Accepted to be published in *Proceedings of the 21st European Modeling and Simulation Symposium (EMSS2010)*. Fez, Morocco. October 2010.
- [71] Michael Affenzeller, Lukas Pöllabauer, Gabriel Kronberger, Erik Pitzer, Stefan Wagner, Stephan Winkler, Andreas Beham, and Monika Kofler. On-Line Parameter Optimization Strategies for Metaheuristics. Accepted to be published in *Proceedings of the 21st European Modeling and Simulation Symposium (EMSS2010)*. Fez, Morocco. October 2010.
- [70] Stefan Wagner, Michael Affenzeller, Andreas Beham, Gabriel Kronberger, and Stephan Winkler. Mutation Effects in Genetic Algorithms with Offspring Selection Applied to Combinatorial Optimization Problems. Accepted to be published in *Proceedings of the 21st European Modeling and Simulation Symposium (EMSS2010)*. Fez, Morocco. October 2010.
- [69] Gabriel Kronberger, Stephan Winkler, Michael Affenzeller, Michael Kommenda, Stefan Wagner. Effects of Mutation before and after Offspring Selection in Genetic Programming for Symbolic Regression. Accepted to be published in *Proceedings of the 21st European Modeling and Simulation Symposium (EMSS2010)*. Fez, Morocco. October 2010.
- [68] Michael Kommenda, Gabriel Kronberger, Michael Affenzeller, Stephan M. Winkler, and Stefan Wagner. Symbolic Regression with Sampling. Accepted to be published in *Proceedings of the 21st European Modeling and Simulation Symposium (EMSS2010)*. Fez, Morocco. October 2010.
- [67] Lukas Bloder, Christian Fischer, Christoph Neumüller, Sebastian Pimminger), Michael Affenzeller), Stephan Winkler, Herbert Stekel, and Rupert Frechinger. Prediction of Blood Demands in a Hospital. Accepted to be published in *Proceedings of the 21st European Modeling and Simulation Symposium (EMSS2010)*. Fez, Morocco. October 2010.
- [66] Stefan Wagner, Andreas Beham, Gabriel Kronberger, Michael Kommenda, Erik Pitzer, Monika Kofler, Stefan Vonolfen, Stephan Winkler, Viktoria Dorfer, and Michael Affenzeller. HeuristicLab 3.3: A Unified Approach to Metaheuristic Optimization. Accepted to be published in *Proceedings of the VII Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB 2010)*, 2010.

- [65] Stephan Winkler, Michael Affenzeller, Gabriel Kronberger, Michael Kommenda, and Stefan Wagner. Using Genetic Programming in Nonlinear Model Identification. Accepted to be published in *Proceedings on Workshop on Identification in Automotive*, Springer Lecture Notes in Control and Information Sciences, 2010.
- [64] Stephan Winkler, Michael Affenzeller, Witold Jacak, and Herbert Stekel. Classification of Tumor Marker Values Using Heuristic Data Mining Methods. *Proceedings of the GECCO 2010 Workshop on Medical Applications of Genetic and Evolutionary Computation (MedGEC 2010)*, paper no. ws5p2. The Association for Computing Machinery (ACM), 2010.
- [63] Stephan Winkler. Structural Versus Evaluation Based Solutions Similarity in Genetic Programming Based System Identification. In Juan R. González, David A. Pelta, Carlos Cruz, Germán Terrazas, Natalio Krasnogor (eds.): *Nature Inspired Cooperative Strategies for Optimization (NICSO 2010)*, pp. 269–282. Studies in Computational Intelligence, No. 284, Springer-Verlag Berlin Heidelberg New York, 2010. ISBN 978-3-642-12537-9.
- [62] Michael Affenzeller, Stefan Wagner, Stephan Winkler, and Andreas Beham. Analysis of the Dynamics of Allele Distribution for Some Selected GA-Variants. *International Conference on Intelligent Engineering Systems (INES 2010)*, paper no. 2. IEEE Xplore, 2010.
- [61] Stephan Winkler, Michael Affenzeller, Stefan Wagner, Gabriel Kronberger, and Michael Kommenda. Analyse der Strukturellen Ähnlichkeit von Mathematischen Modellen im Zusammenhang mit Genetischer Programmierung. *Tagungsband des 4. Forschungsforums der Österreichischen Fachhochschulen (Proceedings of the 4th Science Symposium of Austrian Universities for Applied Sciences)*, pp. 315–320. Österreichische Fachhochschulkonferenz (FHK), 2010. ISBN: 978-3-200-01809-9.
- [60] Stephan Winkler, Stefanie Auer, and Michael Affenzeller. Heuristische Modellierung der Krankheitsverlaufsdaten von Menschen mit Alzheimer Demenz. *Tagungsband des 4. Forschungsforums der Österreichischen Fachhochschulen (Proceedings of the 4th Science Symposium of Austrian Universities for Applied Sciences)*, pp. 23–28. Österreichische Fachhochschulkonferenz (FHK), 2010. ISBN: 978-3-200-01809-9.
- [59] Michael Affenzeller, Stephan Winkler, and Stefan Wagner. Effective Allele Preservation by Offspring Selection: An Empirical Study for the TSP. *International Journal of Simulation and Process Modelling*, Vol. 6, No. 1, pp. 29–39. Inderscience Publishers, 2010.

**2009:**

- [58] Stephan Winkler, Markus Hirsch, Michael Affenzeller, Luigi del Re, and Stefan Wagner. Virtual Sensors for Emissions of a Diesel Engine Produced by Evolutionary System Identification. *Computer Aided Systems Theory - EUROCAST 2009; Lecture Notes in Computer Science*, Vol. 5717, pp. 657–664. 2009. <http://www.springerlink.com/content/q8n3430160434871/>.
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## **List of Patents**

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